PX1

140keV

Handheld backscatter

X-RAY IMAGER

The most ***advanced generation*** of true portable inspection technology

HIGHER ENERGY, DEEPER PENETRATION

Industry leading image quality

The PX1 combines power and portability, setting the standard for precision. With advanced image enhancements, powerful penetration capabilities, and a range of filters, it delivers accurate results in even the most demanding inspection scenarios.

Compact and light weight

As the first true portable handheld X-ray solution, the PX1 balances size and weight to ensure operators can access hard-to-reach areas while reducing fatigue during extended inspections.

Unparalleled Safety

Engineered for reliable performance, the PX1 is built with patented shielding to eliminate scatter and leakage radiation. It keeps operators safe while maintaining its robust capabilities and ergonomic design.

Faster and easier inspections

With a 7-inch ultra-bright touchscreen, streamlined software, and extended battery life, the PX1 offers smooth operation and efficient inspections.
Its design simplifies tasks, enabling operators to handle critical scenarios quickly.

POWERFUL ADD ONS

MTP+

Achieve advanced capabilities with high-definition transmission panels, allowing penetration of over 20mm of steel while capturing BX and TX images simultaneously.

VISION RGD TABLET

Wireless secondary viewing station for collaborative inspections, enabling real-time image sharing and browsing.

VISION COMMAND

Cloud-based backup for device images, providing access and interaction through any web-enabled platform.

You have **THE MISSION**
we have **THE VISION**

videray
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WARNING: CLASS 1 (IEC 60825-1:2014) LASER PRODUCT. DO NOT EXPOSE USERS TO TELESCOPIC OPTICS

PROUDLY MADE IN THE USA

PX1

SPECIFICATIONS

IMAGING & INSPECTION ADVANTAGES
- Lead Imaging Capability Detection
- Steel Penetration: ≤ 11 mm
- Integrated Active 7" 1200x1920 FHD 2500 nits, Color Touchscreen
- Quick action buttons on handles
- Save 25,000 - 200,000 images based on storage configuration
- Wireless & wired image transfer
- Configurable scanning speeds (3.75cm to 45cm per sec)
- Configurable up to 60 sec max scan
- Field of view alignment line lasers
- VISION 5.0 Auto Image Optimization
- Scenario Specific Scanning Modes
- More than 10 colorization filters including (inverse, thermal, etc)
- Image Compare & Stiching up to 8 images in one
- 13MP Color Front Facing Camera
- 140KV/10W
- Real time remote visualization capability

STANDARD ACCESSORIES
- Two (2) rechargeable batteries
- 1-Bay rapid charger
- Quick connect adjustable wrist & shoulder straps
- USB-C Data transfer cable
- Lockable transport case (IP67, MIL-SPEC, Airline carry-on)
- Quick start guide & operators manual

** Additional accessories available for purchase

OPERATING CONDITIONS
- Ingress Protection: IP54
- Operating Temperature: - 4F (-20C) to 140F (60C)
- Operating humidity: 0% to 95%
- Storage Temperature: -40F (-40C) to 158F (70C)

SAFETY
- Revolutionary & patented built-in shielding
- Visual indicator lights and interlocks to prevent inadvertent X-ray emission
- Password required for operation
- Configurable Single/Dual Trigger Modes
- Front facing flashlights
- Contains no live radiation source

COMPLIANCE
- CE and RoHS compliant
- UL Compliant
- HPS Compliant
- Compliant with all applicable U.S. Federal health and safety standards.
- ANSI, ICRP, NCRP and Euratom radiation safety standards for annual dose for general public

SYSTEM
- Android 14 Operating System
- USB-C, USB 3.0, Wi-Fi, GPS, and Bluetooth Connectivity
- Multi-Language User Interface
- 5G Onboard Modem or 4G/5G Hotspot Compatibility
  *Requires external cellular plan
- Storage: 128GB, configurable up to 1TB

TRANSPORT CASE OPTIONS
- Lockable hard case: (IP67, MIL-SPEC, Airline carry-on)
- Length: 53,54 cm (21 in)
- Width: 44,45 cm (17.5 in)
- Height: 35,56 cm (14 in)
- Other hard case options available
- Tactical backpack

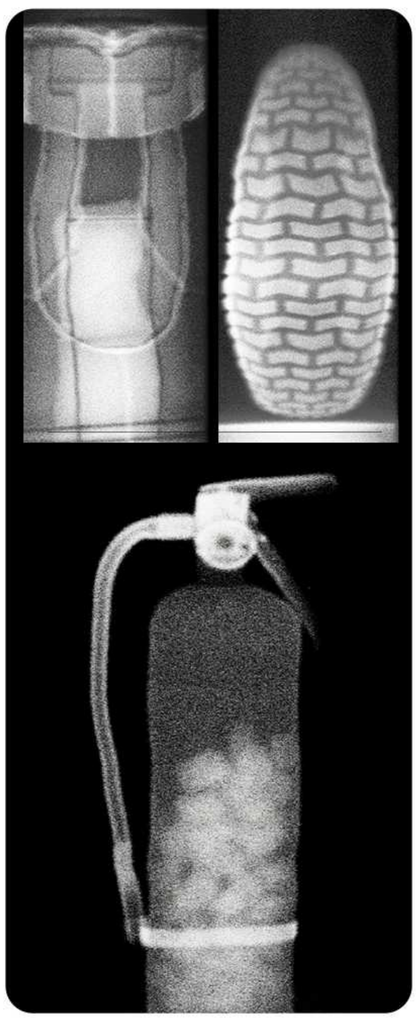
SUPPORT
- Complementary Over-the-Air (OTA) Software Updates
- Complementary Email/Phone Support
- Virtual and On-site Training available
- Standard 1-year warranty included
- Extended warranty available

BATTERIES
- 4-6 hours battery life | 1 battery bay
- 2 batteries included w/ every PX Unit
- 110/220V AC 1-Bay Rapid Charger

DIMENSIONS
- Length: 21.1 cm (8.3 in)
- Width: 28.2 cm (11.1 in)
- Height: 18.8 cm (7.4 in)
- Weight: 4.5 kg (9.9 lbs)

Advanced electronics platform that boosts X-ray system ***precision***, ***storage***, and ***speed***, delivering faster, higher-quality insights than ever before.

X-RAY



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